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SCIENTIFIC INFORMATION REPORT
ORGANIZATION AND ADMINISTRATION
OF SOVIET SCIENCE
(19)

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C-O-N-F-I-D-E-N-T-I-A-L

SCIENTIFIC INFORMATION REPORT

Organization and Administration of Soviet Science (19)

This is a serialized report consisting of unevaluated information prepared as abstracts, summaries, and translations from recent publications of the Sino-Soviet Bloc countries. Individual items are unclassified unless otherwise indicated.

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The 15 addresses on the program were devoted to such important and actual problems as the principles of construction of diagnostic machines, the utilization of computer technology for the processing of experimental data, bioelectric control, radiotelemetry in space medicine, the physiology of labor and sports, diagnostic use of ultrasonics, new methods in roentgenology, and others.

The session will elect 11 active and 23 corresponding members of the Academy of Medical Sciences USSR.

4. Surgery of Newborn Infants Being Developed

"Children Are Laughing Once More"; Moscow, Nedelya, 20-26 Oct 63, p 20

In 1960 the Central Institute for the Advanced Training of Physicians created the USSR's first Department of Surgery of Newborn Infants on the base of the Clinical Hospital imeni Rusakov in Moscow. Prof S. Ya. Doletskiy became the head of this department.

The new trend in surgery is developing. Already many similar centers for surgery of the newborn are being organized in Leningrad, Sverdlovsk, Saratov, and other places. S. Ya. Doletskiy receives many letters from the world's leading children's surgeons.

Republics

5. Irkutsk Institute Manufactures Medical Preparation

"Irkutsk Gamma Globulin," by V. Mukhortov, correspondent of Meditinskaya gazeta; Moscow, Meditinskaya gazeta, 5 Nov 63, p 4

Samples of gamma globulin produced at the Irkutsk Institute of Epidemiology and Microbiology have been highly praised and are now approved for mass production.

The laboratory where the preparation was created is one of the newly constructed buildings of the scientific town. Its personnel includes Manager Ye. I. Pozdnova, Technologist S. A. Chernyaykina, and Physician of the Production Department G. Ya. Yakobson, all of whom underwent special training in the central institutes of the country in order to prepare for their work in the laboratory.

The newest technology -- the so-called extrachambered production of gamma globulin -- is expected to increase the output of the preparation to 3-4 times the present output. In the coming year the institute also plans to produce antirabic and antiencephalitic gamma globulin.

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6. One Fifth of Kiev's Budget Goes to Medical Service

"Fifth Ruble," by A. Kozlov; Moscow, Izvestiya, 4 Dec 63, p 4

Every fifth ruble from Kiev's substantial budget is used for the medical service to the population. In the past 5 years, the incidence of illness among the residents of Kiev has decreased by 15%. Some 5,500 physicians and more than 10,000 nurses work in the health service. Bright new hospitals, dispensaries, and polyclinics have been built in Darnitskiy, Shevchenkovskiy, Moskovskiy, and Oktyabr'skiy rayons.

Measures for further improvement of the medical service to the population are presently being discussed at the session of the Kiev City Soviet of Workers' Deputies.

7. Medical Statistics for Kirgizia

"The Youth of the Republic -- The Centenary of the Voluntary Entry of Kirgizia Into Russia," by S. Begmatova, deputy chairman of Council of Ministers Kirgiz SSR; Moscow, Meditsinskaya gazeta, 29 Oct 63, p 1

Each year, the appropriations for the construction of new hospitals and polyclinics in Kirgizia increase. There are 2,662 medical-prophylactic institutions in the republic at present. Five scientific research institutes have been created. The Kirgiz Medical Institute has trained more than 4,500 physicians, many of whom are representatives of the indigenous nationality. Nine medical schools are training cadres of technicians.

8. Leningrad Institute Studies Live Measles Vaccine

"Live Measles Vaccine"; Moscow, Meditsinskaya gazeta, 29 Oct 63, p 3

The Leningrad Institute of Epidemiology, Microbiology, and Hygiene imeni Pasteur conducted an extensive study of the epidemiological and clinical effectiveness of the live measles vaccine L-4 in conjunction with gamma globulin, developed under the guidance of Prof. A. A. Smorodintsev. More than 400,000 children were inoculated with this vaccine.

The results of the work conducted received a favorable evaluation from a special conference held in Leningrad, and also from the Committee on Vaccines and Sera of the Ministry of Public Health USSR and the Academy of Medical Sciences. This lays the foundation for the use of the new vaccine in practice.

The Ministry of Public Health USSR proposed that, beginning with the fourth quarter of 1963, the republic ministries organize the vaccination of children from 1 to 8 years of age with the live measles

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I. ACADEMIES OF SCIENCES

USSR

1. Academy Presidium Discusses Methodological Problems

"Session of the Presidium of the Academy of Sciences USSR";
Moscow, Izvestiya, 20 Oct 63, p 5

The most eminent representatives of all branches of knowledge participated in the discussion of methodological problems of natural and social sciences to which the enlarged session of the Presidium of the Academy of Sciences USSR on 18 October 1963 was devoted.

Academician M. V. Keldysh, president of the Academy of Sciences USSR, and Academician L. F. Il'ichev presented addresses.

Among those who took part in the discussion were the following academicians: M. V. Keldysh, V. A. Ambartsumyan, P. N. Fedoseyev, Ye. M. Zhukov, V. A. Fok, V. S. Nemchinov, M. B. Mitin, Ye. K. Fedorov, A. I. Berg, and I. I. Mints.

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II. MEDICINE AND PUBLIC HEALTH

2. Academy of Medical Sciences Elects New Members

"New Addition to the Academy"; Moscow, Meditsinskaya gazeta, 5 Nov 63, p 4

At the recent 18th Session of the General Meeting of the Academy of Medical Sciences USSR, the following active members were elected: Prof I. A. Kassirskiy, P. M. Saradzhishvili, Ye. V. Shmidt, V. V. Kovanov, P. Ye. Lukomskiy, M. A. Yasinovskiy, L. K. Vogush, N. V. Antelava, Z. V. Yermol'yeva, N. A. Fedorsv, and V. A. Sanotskiy. The 18 scientists elected as corresponding members include: M. A. Petrov-Maslakov, G. A. Bairov, Ye. F. Davidenkova, A. G. Likhachev, S. N. Khechinashvili, S. D. Nosov, A. A. Megrabyan, P. N. Mazayev, B. Ye. Votchal, M. V. Volkov, A. Ya. Pytel', I. B. Zbarskiy, S. A. Neyfakh, I. I. Ivanov, V. V. Portugalov, N. P. Bekhtereva, P. N. Kosyakov, and P. A. Vershilova.

Prof Khel'mut Kraats (GDR), Zhozue de Kastro (Brazil), and Bogdan Bretsel' (Yugoslavia) were the foreign members elected to the Academy of Medical Sciences USSR.

USSR

3. Eighteenth Session of General Meeting of Academy of Medical Sciences

"18th Session of the General Meeting of the Academy of Medical Sciences USSR"; Moscow, Meditsinskaya gazeta, 29 Oct 63, p 1

The work of the session of the General Meeting of the Academy of Medical Sciences USSR began on 29 October 1963 in Moscow in the Red Banner Hall of the Central House of the Soviet Army.

The scientific part of the session was devoted to those problems which are most important to the contemporary stage of the development of medicine -- the utilization of new techniques and the achievements of physics and chemistry in biology and medicine. Side by side with clinicians, hygienists, and physiologists, representatives of technical disciplines and specialists in the fields of cybernetics, electronics, and chemistry also took part in the work of the session.

A large number of medical scientists are already working in close collaboration with engineers, construction workers, and technologists. The achievements of contemporary physics and great progress in engineering are transforming everything in the fields of theoretical and experimental natural science, including medicine. There is a real revolution in methods of research and in methods of active influence on the organism of man, with the aid of newest achievements of physics and chemistry.

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vaccine L-4 in conjunction with gamma globulin on specially established dates and in defined volumes.

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III. ACTIVITIES OF SOVIET RESEARCH INSTITUTES

9. Institute Helps Develop Device to Test Milk

"For Rural Farms"; Moscow, Ekonomicheskaya gazeta, 30 Nov 63, p 16

The All-Union Scientific Research Institute of Animal Husbandry and the Central Design Office of the Ministry of Agriculture USSR have created a device which can determine the percent of protein in milk in only one or two minutes. This analysis previously took 2 days.

10. Disciplinary Action Taken Against Institute Director

"Izvestiya's Mail Box"; Moscow, Izvestiya, 10 Oct 63, p 4

For unsatisfactory supervision and for unauthorized sale of fish designated for scientific purposes, I. I. Lapitskiy, director of a department of the Volgograd Scientific Research Institute of Lake and River Economy, was severely reprimanded, and this reprimand was entered in his records. Comrade Lapitskiy was warned that if the proper order is not restored in the institute, he will be relieved of his responsibilities.

11. Latvian Ichthyologists Develop Fish Food

"Artificial Food for Fish"; Moscow, Ekonomicheskaya gazeta, 30 Nov 63, p 16

Associates of the Baltic Scientific Research Institute of Fish Economy have determined that fish will grow much faster if kept in special reservoirs and fed on concentrated food. An artificial food, rich in vitamins, antibiotics, and microelements, was created in the Laboratory of Biochemistry and Physiology of Fish.

12. Academy of Sciences Kazakh SSR Sends Expeditions to Mangyshlak Peninsula

"Gardens Will Blossom in the Desert"; Moscow, Ekonomicheskaya gazeta, 30 Nov 63, p 16

An expedition from the Institute of Soil Control of the Academy of Sciences Kazakh SSR conducted a chemical analysis of the soil of the arid Mangyshlak Peninsula and found masses of land which will be suitable for the cultivation of vegetables and other agricultural crops if irrigated with well water of a high mineral content.

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Other Kazakh scientific institutions took part in the trip. The Institute of Botany of the Academy of Sciences Kazakh SSR opened a base on the peninsula. Its personnel have begun work on the acclimatization of fruit and ornamental trees, shrubbery, flowers, and other plants to the desert.

13. Siberian Analog Computer Programs for Chemical Industry

"How This Is Done," by V. Molchanov; Moscow, Pravda, 22 Dec 63, p 4

The Institute of Catalysis of the Siberian Department of the Academy of Sciences USSR has an "MN-14" analog computer which was used to determine the best method for obtaining formaldehyde from methyl alcohol for plastic production at the Novosibirsk Chemical Plant.

14. Institute Developing New Chemical Fertilizers

Moscow, Ekonomicheskaya gazeta, 30 Nov 63, p 16

The Department of Agrochemistry of the All-Russian Scientific Research Institute of Sugar Beets and Sugar (Voronezhskaya Oblast) has undertaken the development of a new and more effective system of crop fertilization for sugar beets and other intertilled crops. Essential to the solution of this problem is the study of new and highly concentrated forms of fertilizers, the output of which is being increased by the USSR's chemical industry (urea, complex nitrogenous fertilizers, etc.).

A picture accompanying the article shows M. Aseyeva, Senior Laboratory Assistant of the Department of Agrochemistry, in a laboratory of the institute.

15. Institute Develops Method of Obtaining New Type of Superphosphate

Moscow, Ekonomicheskaya gazeta, 23 Nov 63, p 4

Under the guidance of Prof M. Pozin, a means of obtaining a new kind of superphosphate from a common raw material -- apatite concentrate -- has been developed in the Chair of Technology of Inorganic Substances of the Technological Institute imeni Lensovet (Leningrad Soviet). The new type of superphosphate is distinguished by a high content (up to 55%) of nutritive material -- phosphate pentoxide. The new product is in the form of granules and may be introduced into the soil with ordinary seed drills.

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A picture accompanying the article shows Professor Pozin and B. Dmitrevskiy, Junior Scientific Associate.

16. Siberian Institute Transferred to Ministry of Public Health RSFSR

"Institute in Siberia," by A. Yevseyev; Moscow, Meditsinskaya gazeta, 20 Dec 63, p 2

Recently the Institute of Experimental Biology and Medicine was transferred from the authority of the Siberian Department of the Academy of Sciences USSR to the Ministry of Public Health RSFSR.

The basic scientific trends of the institute include surgical restoration of adequate blood circulation and gas exchange in diseases of the hemopoietic and respiratory organs, and the transplantation of organs. Various operations on the heart, vessels, and lungs, for example, the closing of defects of the septum, the replacement of large vessels by prostheses, operations for valve insufficiency, resection, and restoration of the conductivity of the respiratory tract (bronchi), and the creation of vascular anastomoses, are being conducted in the clinics of the institute. Associates of the institute are performing serious experiments on autotransplantation of the kidneys and lungs. They were the first in world practice to achieve full denervation of the lungs in animals.

New methods of research -- the probing of the heart chambers through venous and arterial routes, intracardiac puncture of the interatrial septum, gas angiography of the heart chambers, direct measurement of the size of defects of the heart septum -- were worked out by the institute and introduced into clinical practice.

The institute is aiding the medical institutes of Krasnoyarsk, Khabarovsk, Irkutsk, Omsk, Alma-Ata, Tashkent, Frunze, and Pyatigorsk in conducting scientific research in the field of heart and lung surgery.

17. Institutes Seek Measures for Protection Against Harmful Gases

"Measures of Defense From Harmful Gases"; Moscow, Meditsinskaya gazeta, 15 Nov 63, p 1

The Institute of the Hygiene of Labor and Occupational Diseases of the Academy of Medical Sciences USSR and the Institute for the Design and Planning of Synthetic Fiber Enterprises are seeking reliable measures for the defense against harmful gases (such as carbon bisulfide and hydrogen sulfide) which are exhausted into the atmosphere during the manufacture of chemical fibers.

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18. Expedition Studies Natural Foci of Tick-Borne Encephalitis in Soviet Far East

"In the Forests of the Ussuriyskaya Taiga"; Moscow, Meditinskaya gazeta, 5 Nov 63, p 4

An expedition of scientists of the Khabarovsk Scientific Research Institute of Epidemiology and Microbiology recently returned from the Far Eastern taiga. For 6 months the expedition studied natural foci of tick-borne encephalitis in the virgin forests of Sikhote-Alin' and the Amur region.

Moose, wapiti, roe deer, rodents, and other wild animals which are tick infected were studied in the taiga. New data were received which are important for prophylaxis and for the struggle with the encephalitic tick.

19. Institute Seeks to Develop Machines Free of Harmful Vibrations

Moscow, Ekonomicheskaya gazeta, 30 Nov 63, p 30

Under the guidance of B. V. Sudnishnikov, Doctor of Technical Sciences, the associates of the Institute of Mining of the Siberian Department of the Academy of Sciences USSR are working on the creation of manual impact action machines with reduced recoil.

Together with the Central Design Office for the Mechanization of Instruments, the institute has developed an original model of manual riveting hammers with reduced vibrations.

A picture accompanying the article shows A. M. Pegreyev, head of the Laboratory of Applied Mathematics and Mechanics of the Institute of Mining, conducting research on new types of systems of vibration insulation.

20. Physicists Discover New Type of Radiation

"Revelation of the Atom," by Academician V. Beksler; Moscow, Izvestiya, 31 Dec 63, p 3

The study of nuclear forces occupies an important place in the problem of penetrating the secret of the construction of matter. In 1963, a group of young physicists of the Joint Institute of Nuclear Research under the guidance of G. M. Flerov, corresponding member of the Academy of Sciences USSR, achieved notable success in this field. They were able to establish a new type of radiation not previously known to science -- proton radiation -- and discovered new isotopes of rapidly decaying heavy elements.

21. Work of Moscow Radioelectronics Institute Described

Moscow, Vechernyaya Moskva, 5 Oct 63, p 1

There are approximately 6,000 students in the day, evening, and correspondence departments of the Moscow Institute of Radioelectronics and Mining Electromechanics. The institute prepares specialists in radioengineering, radioelectronics, automation, and complex mechanization. In the past year many laboratories equipped with the latest facilities have been established in this higher educational institution. Two new laboratories for ultrasonics and acoustics and radioengineering were opened in the 1963 school year and are already in use. In December 1963, the first group of young engineers with the specialty "Ultrasonics and Acoustics" will graduate; in October 1963, approximately 90 young specialists will graduate in automation and telemechanics.

The picture accompanying the article shows Aleksandr Brylov and Tat'yana Chuchkina, students of the second course, in the Laboratory of Wireless Control Systems.

22. Subdivisions of Scientific Research Institute of Central Statistical Administration USSR

Moscow, Ekonomicheskaya gazeta, No 1, 4 Jan 64, p 47

The Scientific Research Institute for the Design and Planning of Computer Centers and Economic Information Systems of the Central Statistical Administration USSR (NII TsU SSSR) is located at Moskva, ul. Kirova, 39. The telephone is K 2-03-47, K 2-04-94, B 8-15-53.

The institute has the following departments:

1. Intersectorial Relations
2. Unified Agricultural Economic Information System
3. Supply and Demand Indicators
4. Mathematical Methods
5. Coordination With the Economic Information Systems of the CEMA Countries and the Providing of International Comparisons
6. Design and Planning of Computer Centers
7. Design and Planning of Computing Systems
8. Technology of Urgent Current Economic Information
9. Technique of Annual Information
10. Programing Methods
11. Scientific Information

The institute has the following sectors:

1. General Foundations of Economic Information Systems
2. Intersectorial Balance and the Movement of Physical Assets
3. Population and Labor Resources
4. Economic Information on Material Supply
5. Information From the Industrial Enterprise

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6. Information From Construction Sites
7. Information From Sovnarkhozes
8. Information From Construction Administrations
9. Information From Local Republic and All-Union Organs
10. Unified Agricultural Economic Information System
11. Indicators of the Living Standard of the Population
12. Computer Mathematics
13. Sampling Methods
14. Mathematical Programing
15. Coordination With the Information Systems of CEMA Countries
16. Design and Planning of Computer Centers
17. Methods and Organization of Computer Center Operations
18. Design and Planning of Computing Systems
19. Use of Machine-Calculating Stations in a System of Computer Centers
20. Application of Electronic Computers
21. Specialized and Analytical Machines
22. Experimental
23. Facilities for the Long-Distance Transmission of Economic Information
24. Coding and Information Media
25. Technology of the Control of Data Processing
26. Algorithmization, Automation, and Programing
27. Norms for Standards and Standard Programs

IV. NEW ORGANIZATIONS

23. New Scientific Center Created in Kirgiz SSR

"In Our Native Land"; Moscow, Pravda, 12 Jan 64, p 6

A new scientific center has been created in Kirgiz SSR. It is a filial of the Central Asian Scientific Research Institute of Soil Science.

24. Latvian Academy of Sciences Creates Chemistry Institute

"To the National Economy"; Moscow, Meditsinskaya gazeta, 15 Nov 63, p 1

The Institute of Organic Synthesis of the Academy of Sciences Latvian SSR was recently constructed in the suburbs of Riga. Electron microscopes, computers, and the most complex apparatus for delicate chemical experiments are available to its researchers.

Associates of the Laboratory of the Chemistry of Aromatic Compounds have created a number of new agents -- "phenylin," "slifin," and others -- which have been successfully utilized in the treatment of thrombosis and embolisms of different etiologies. This laboratory is directed by Academician Gustav Yanovich Vanag of the Academy of Sciences Latvian SSR. A picture accompanying the article shows Vanag with his young associates V. N. Zelmen, Z. N. Krastyn', R. R. Ozolin', M. N. Koptelovoy, and E. A. Shafro.

Another picture shows Vitol'd Edgarovich Egert, head of the Laboratory of Organic Analysis; Marga Antonovna Alberta, Senior Scientific Associate of the Department of Chemotherapy; Aspirant Irena Konstantinovna Tutane; and Yan Pavlovich Stradyn', head of the Laboratory of Physico-Organic Chemistry, standing at the main entrance of the institute. They are all studying new antibacterial preparations of the nitrofurane series.

Director of the Laboratory of the Synthesis of Anticancer Preparations is a young chemist named Marger Yur'yevich Lidak. He is shown using the new circulation unit -- a fantastic structure of glass tubes and various retorts -- in the course of a complex chemical process.

Renyata Yur'yevna Kalnberg, senior engineer of the institute, works on the creation of medicines with an active effect. She is not only interested in the problems of medicine but in the urgent needs of agriculture as well. A picture accompanying the article shows her trying to determine the melting point of a new preparation.

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25. Institute Organizes Chair to Train Cybernetics Specialists

Moscow, Ekonomicheskaya gazeta, 16 Nov 63, p 4

A new chair has been created in the Moscow Chemicotechnological Institute imeni D. I. Mendeleev. It will train specialists in a new profession -- engineers and chemist-technologists specializing in cybernetics. In the laboratories of the chair, which are now being equipped, students will study mathematical descriptions of the processes of chemical technology by utilizing contemporary cybernetic computer technology. The students will also conduct their own scientific research work.

A picture accompanying the article shows V. Chernyshev and V. Klambe, students in the Laboratory of the Theory of Automatic Control, running the program for a chemical problem on the "Setun" computer.

26. New Medical Institute Opened in Tyumen'

"In Our Native Country"; Moscow, Pravda, 28 Oct 63, p 4

A new medical institute was recently opened in Tyumen'. It is the 45th medical vuz (higher educational institution) of the RSFSR.

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V. AWARDS, APPOINTMENTS, AND PERSONALITIES

27. "Honored Pharmacist" Award May Be Established

"Pharmacists Have a Right to Honor," by I. Dobryy; Moscow, Meditsinskaya gazeta, 29 Oct 63, p 4

The editors of Meditsinskaya gazeta recently received a letter complaining of the lack of recognition accorded to pharmacists and suggesting that the honorary title, Honored Pharmacist of the Republic, be established in every republic.

The editors took the matter to the Chairman of the Central Committee of the Trade Union of Medical Workers, N. N. Grigor'yeva. In a talk with a correspondent of Meditsinskaya gazeta, Grigor'yeva said that the members of the Presidium of the Central Committee of the medical trade union were in complete agreement with this suggestion. She continued: "It is desirable that the republic committees of the trade union and the ministries of public health of the republics discuss this matter among themselves and bring their petition on the establishment of the honorary title, Honored Pharmacist of the Republic, to the presidiums of the supreme soviets of the union republics."

28. Soviet Cosmonauts Honored in Indonesia

"Award to the Soviet Cosmonauts"; Moscow, Izvestiya, 29 Nov 63, p 1

On 27 November 1963, in Djakarta, the Soviet cosmonauts V. Nikolaeva-Tereshkova, A. Nikolayev, and V. Bykovskiy, were received by President Sukarno and his wife.

President Sukarno announced that V. Tereshkova and V. Bykovskiy had been awarded the Order of the Star of the Republic of Indonesia of the Second Degree. A. Nikolayev was awarded this high honor during his first visit to Indonesia.

29. Soviet Cosmonauts Honored by East Germany

"High Award"; Moscow, Izvestiya, 22 Oct 63, p 1

On 21 October 1963, V. Ul'bricht, chairman of the State Council of the German Democratic Republic, presented the GDR's highest award -- the Order of Karl Marx -- to the visiting Soviet cosmonauts Valentina Tereshkova and Yuriy Gagarin.

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30. Institutes Honored for Work on Synthetic Diamonds

"High Awards"; Moscow, Pravda, 31 Dec 63, p 2

By decree of the Presidium of the Supreme Soviet USSR, the Order of Labor Red Banner was awarded to the following institutes for service in the creation of commercial production of synthetic diamonds: the Ukrainian Scientific Research Design-Technological Institute of Synthetic Superhard Materials and Instruments of Gosplan Ukrainian SSR; and the Institute of Physics of High Pressures of the Academy of Sciences USSR.

31. Scientists Honored for Production of Synthetic Diamonds

"Presentation of Government Awards"; Kiev, Pravda Ukrainy, 29 Jan 64, p 2

On 28 January 1964, D. S. Korotchenko, deputy chairman of the Presidium of the Supreme Soviet USSR and chairman of the Presidium of the Supreme Soviet Ukrainian SSR, presented government awards to a group of scientists, engineers, technicians, and workers for their service in the creation of commercial production of synthetic diamonds.

V. N. Bakul', director of the Ukrainian Scientific Research Design-Technological Institute of Synthetic Superhard Materials and Instruments of Gosplan Ukrainian SSR, was awarded the Order of Lenin, the gold medal "Hammer and Sickle," and the honorary title Hero of Socialist Labor.

M. M. Babich, head of a laboratory of the Institute of Superhard Materials, and A. I. Prikhna, Senior Scientific Associate of the same institute, both received the Order of Lenin.

The Order of Labor Red Banner was awarded to the following, all of whom are affiliated with the Institute of Superhard Materials:

A. V. Gerasimovich, Senior Scientific Associate

G. G. Karyuk, deputy director of the Scientific Section

L. M. Katsemon, Senior Master-Instructor

S. N. Kovalev, head of a laboratory

G. F. Skripko, head of a laboratory

B. V. Sukharev, director of a group of a laboratory

32. V. N. Bakul' and L. F. Vereshchagin Honored

"Decree of the Presidium of the Supreme Soviet USSR," by L. Brezhnev, chairman of Presidium of Supreme Soviet USSR, and M. Georgadze, secretary of Presidium of the Supreme Soviet USSR; Moscow, Pravda, 31 Dec 63, p 2

For distinguished service in the creation of commercial production of synthetic diamonds, the awards Hero of Socialist Labor, the Order of

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Lenin, and the gold medal "Hammer and Sickle" were presented to Valentin Nikolayevich Bakul', director of the Ukrainian Scientific Research Design-Technological Institute of Synthetic Superhard Materials and Instruments of Gosplan Ukrainian SSR; and Leonid Fedorovich Vereshchagin, director of the Institute of Physics of High Pressures of the Academy of Sciences USSR.

33. Soviet Chemist Honored

"Decree of the Presidium of the Supreme Soviet USSR," by L. Brezhnev, chairman of Presidium of Supreme Soviet USSR, and M. Georgadze, secretary of Presidium of Supreme Soviet USSR; Moscow, Pravda, 4 Nov 63, p 2

For service in the development of chemistry and in connection with his 60th birthday, Academician Boris Aleksandrovich Arbuzov was awarded the Order of Lenin.

34. Scientist Awarded Order of Labor Red Banner

"Decree of the Presidium of the Supreme Soviet USSR," by L. Brezhnev, chairman of Presidium of Supreme Soviet USSR, and M. Georgadze, secretary of Presidium of Supreme Soviet USSR; Moscow, Vedomosti verkhovnogo soveta, No 49, 4 Dec 63, p 1103

By decree of the Presidium of the Supreme Soviet USSR on 30 November 1963, Iosif Abramovich Danilenko was awarded the Order of Labor Red Banner in recognition of his service in the field of zootechnical sciences and in connection with his 60th birthday. Danilenko is the director of the Scientific Research Institute of Husbandry in the Forest-Steppe and Wooded Districts, Ukrainian SSR, and corresponding member of the All-Union Academy of Agricultural Sciences imeni V. I. Lenin.

35. D. S. Filev Awarded Order of Labor Red Banner

"Decree of the Presidium of the Supreme Soviet USSR," by L. Brezhnev, chairman of Presidium of Supreme Soviet USSR, and M. Georgadze, secretary of Presidium of Supreme Soviet USSR; Moscow, Izvestiya, 11 Dec 63, p 3

For service in developing and putting into practice effective methods of corn cultivation, and in connection with his 60th birthday, the Order of Labor Red Banner was awarded to Dmitriy Sidorovich Filev, head of a laboratory of the All-Union Scientific Research Institute of Corn

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and corresponding member of the All-Union Academy of Agricultural Sciences imeni V. I. Lenin.

36. Soviet Geographer Honored

"Decree of the Presidium of the Supreme Soviet USSR," by L. Brezhnev, chairman of Presidium of Supreme Soviet USSR, and M. Georgadze, secretary of Presidium of Supreme Soviet USSR; Moscow, Pravda, 3 Nov 63, p 2

Academician Andrey Aleksandrovich Grigor'yev was awarded the Order of Labor Red Banner for service in the development of geographical science and in connection with his 80th birthday.

37. President of Kirgiz Academy of Sciences Honored

"Decree of the Presidium of the Supreme Soviet USSR," by L. Brezhnev, chairman of Presidium of Supreme Soviet USSR, and M. Georgadze, secretary of Presidium of Supreme Soviet USSR; Moscow, Izvestiya, 8 Nov 63, p 4

For service in the fields of scientific and public activity and in connection with his 50th birthday, Kurman-Gali Karakayev, president of the Academy of Sciences Kirgiz SSR, was awarded the Order "Badge of Honor."

38. I. A. Kairov Honored

"Presentation of Awards"; Moscow, Pravda, 29 Dec 63, p 2

On 28 December 1963, in the Kremlin, N. G. Ignatov, deputy chairman of the Presidium of the Supreme Soviet USSR and chairman of the Presidium of the Supreme Soviet RSFSR, presented high government awards to a group of comrades.

I. A. Kairov, president of the Academy of Pedagogical Sciences RSFSR, was given the honorary title "Hero of Socialist Labor."

39. Social Scientist Awarded Order of Labor Red Banner

"Decree of the Presidium of the Supreme Soviet USSR," by L. Brezhnev, chairman of Presidium of Supreme Soviet USSR, and M. Georgadze, secretary of Presidium of Supreme Soviet USSR; Moscow, Izvestiya, 11 Dec 63, p 3

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For achievements in the development of social sciences and the preparation of scientific cadres and in connection with his 60th birthday, the Order of Labor Red Banner was awarded to Bonifatii Mikhaylovich Kedrov, corresponding member of the Academy of Sciences USSR.

40. A. A. Lebedev Receives Order of Lenin

"Decree of the Presidium of the Supreme Soviet USSR," by L. Brezhnev, Chairman of Presidium of Supreme Soviet USSR, and M. Georgadze, secretary of Presidium of Supreme Soviet USSR; Moscow, Pravda, 27 Nov 63, p 2

By decree of the Presidium of the Supreme Soviet USSR, Academician Aleksandr Alekseyevich Lebedev was awarded the Order of Lenin. The award was made on 26 November 1963 in recognition of his service in the field of physics and in connection with his 70th birthday.

41. Lutsenko Receives Monetary Award

"Awarding of the Prize imeni N. D. Zelinskiy"; Moscow, Vestnik Akademii Nauk SSSR, No 12, 1963, p 101

The Presidium of the Academy of Sciences USSR recently awarded the 1963 Prize imeni N. D. Zelinskiy for 1,000 rubles to I. F. Lutsenko, Doctor of Chemical Sciences, for his series of works on element-organic compounds.

Professor Lutsenko, as head of the Chair of Organic Chemistry at Moscow State University, is a close scientific associate of Academician A. N. Nesmeyanov. His research on the problems of the synthesis of element-organic compounds with various functional groups has promoted the further development of Nesmeyanov's ideas on the conjugation of single bonds, the transition of the reactive site in compounds, and the behavior of quasi-complex compounds in chemical reactions.

Lutsenko's award winning work (1957-1962) was devoted to the synthesis of new types of organic derivatives of mercury, silicon, germanium, tin, and phosphorus. He produced the simplest metallic derivatives of vinyl alcohol -- lithium and sodium vinylates; worked out methods of synthesis of vinyl esters of phosphorous, phosphoric, phosphinic, and phosphinous acids; and conducted wide research in the field of quasi-complex mercury compounds.

42. Soviet Mathematician Honored

"Decree of the Presidium of the Supreme Soviet USSR," by L. Brezhnev, chairman of Presidium of Supreme Soviet USSR, and M. Georgadze, secretary of Presidium of Supreme Soviet USSR; Moscow, Pravda, 15 Oct 63, p 2

For service in the development of mathematical science and in connection with his 60th birthday, Andrey Andreyevich Markov, corresponding member of the Academy of Sciences USSR, was awarded the Order of Labor Red Banner.

43. Prof E. M. Murzayev Honored

"Prize imeni V. A. Obruchev for 1963"; Moscow, Priroda, No 11, 1963, p 121

The Presidium of the Academy of Sciences USSR has awarded the Prize imeni V. A. Obruchev for 1963 to Prof Eduard Makarovich Murzayev for his series of works on the physical geography of Central Asia. Professor Murzayev's prizewinning works include Nablyudeniya na ozerakh Dzhungarii (Observation in the Lakes of Dzhungariya), Geograficheskiye osobennosti Kul'lunya (Geographical Features of Kun'lun), O nekotorykh prichinakh bluzhdaniya rek na pustynnykh ravninakh (On Several Causes of the Wandering of Rivers in Desert Flat Lands), and Paleogeografiya Tsentral'noy Azii i credizemnomorskiye elementy v yeye pustynnyakh (Paleogeography of Central Asia and the Mediterranean Elements in Its Deserts), and others.

44. Soviet Scientist Honored by Polish University

"Chronicle of International Life"; Moscow, Pravda, 31 Oct 63, p 4

The ceremony of conferring the honorary title of Doctor of Warsaw Polytechnic Institute on Soviet Academician L. I. Sedov for his outstanding achievements in the field of aerodynamics and theoretical mechanics, took place recently in Warsaw.

45. Scientists Receive Prize imeni P. P. Anosov

"Awarding of the Prize imeni P. P. Anosov"; Moscow, Vestnik Akademii Nauk SSSR, No 11, 1963, p 130

The 1963 Prize imeni P. P. Anosov for the amount of 2,000 rubles was recently awarded to Candidates of Technical Sciences S. G. Voinov

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and A. G. Shalimov (Central Scientific Research Institute of Ferrous Metallurgy imeni I. P. Bardin) for their monograph Sharikopodshipnikovaya stal' (Ball-bearing Steel).

S. G. Voinov is a Senior Scientific Associate in the Laboratory of the Theory of Metallurgical Processes. A great amount of research connected with improving the melting technology of electrosteels was conducted under his supervision; the results of this research are being used in industry with a high economic effect. Recently, S. G. Voinov and A. G. Shalimov, head of this same laboratory, successfully introduced into industry a new progressive technology for refining steel with a synthetic slag.

The award-winning monograph sums up the authors' many years of work connected with the process of forming nonmetallic inclusions in ball-bearing steel and improving the melting technology of this steel in electric-arc furnaces. The description of the mechanism of forming oxide nonmetallic inclusions of ball-bearing steel revealed by the authors offers great scientific and practical interest.

The new technology for melting ball-bearing steel by using a synthetic slag makes it possible to produce steel with qualities approximating that of electros slag steel from any melting equipment.

46. Soviet Ichthyologist Honored

"Decree of the Presidium of the Supreme Soviet USSR," by L. Brezhnev, chairman of Presidium of Supreme Soviet USSR, and M. Georgadze, secretary of Presidium of Supreme Soviet USSR; Moscow, Pravda, 3 Nov 63, p 2

Anatoliy Nikolayevich Svetovidov, corresponding member of the Academy of Sciences USSR, was awarded the Order of Labor Red Banner for his many years of fruitful work in the field of ichthyology, for rendering practical assistance to the fish economy of the USSR, and in connection with his 60th birthday.

47. Prize imeni I. P. Pavlov Awarded to A. M. Ugolev

"Awarding of the Prize imeni I. P. Pavlov"; Moscow, Vestnik Akademii Nauk SSSR, No 12, 1963, p 101

The 1963 Prize imeni I. P. Pavlov for the amount of 2,000 rubles was recently presented to Aleksandr Mikhaylovich Ugolev for his works Pishchevarenkiye i ego prisposobitel'naya evolyutsiya (Digestion and Its Adaptive Evolution), 1961, and Pristenochnoye (kontaktnoye) pishchevarenkiye (Parietal (Contact) Digestion), 1963. Ugolev presently works in the Institute of Physiology imeni I. P. Pavlov of the Academy of Sciences USSR where he heads the Laboratory of the Physiology of Nutrition.

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48. Director of Medical Research Institute Honored

"We Congratulate You!"; Moscow, Meditinskaya gazeta, 15 Nov 63, p 1

For great service in the field of national public health, the Presidium of the Supreme Soviet RSFSR awarded the honorary title of Honored Physician of the RSFSR to K. P. Vasil'yev, director of the Kuybyshev Scientific Research Institute of Epidemiology, Microbiology, and Hygiene.

49. A. I. Yevdokimov Celebrates 80th Birthday

"Decree of the Presidium of the Supreme Soviet USSR," by L. Brezhnev, chairman of Presidium of Supreme Soviet USSR, and M. Georgadze, secretary of Presidium of Supreme Soviet USSR; Moscow, Meditinskaya gazeta, 20 Dec 63, p 1

By decree of the Presidium of the Supreme Soviet USSR on 18 December 1963, Prof Aleksandr Ivanovich Yevdokimov was awarded the title Hero of Socialist Labor, the Order of Lenin, and the gold medal "Hammer and Sickle." The award was given in connection with Yevdokimov's 80th birthday in recognition of his service in the development of Soviet medical sciences and public health.

For more than a quarter of a century Aleksandr Ivanovich directed the Chair of Surgical Stomatology in the Moscow Stomatological Institute. He is the author of more than 130 scientific works.

50. Chirikov Celebrates 80th Birthday

"Fedor Vasil'yevich Chirikov -- His 80th Birthday"; Moscow, Pochvovedeniye, No 12, 1963, pp 99-100

Prof Fedor Vasil'yevich Chirikov, senior Soviet agrochemist and Doctor of Agricultural Sciences, celebrated his 80th birthday and 55 years of scientific and pedagogical activity on 15 December 1963.

At present, Professor Chirikov is permanent scientific consultant for the voluminous serial publication Agrokhimicheskaya kharakteristika pochv SSSR (Agrochemical Properties of the Soils of the USSR). He is a member of scientific councils of the All-Union Scientific Research Institute of Fertilizers and Agricultural Soil Science and the Faculty of Agrochemistry and Soil Science of the Timiryazevsk Agricultural Academy. Chirikov is an honorary member of the All-Union Society of Soil Scientists and actively participates in the work of the Fourth Commission (Soil Fertility).

The article is signed by the following organizations: All-Union Society of Soil Scientists, House of Scientists of the Academy of

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Sciences USSR, Soil Institute imeni V. V. Dokuchayev, All-Union Institute of Fertilizers and Agricultural Soil Science, Timiryazevsk Agricultural Academy, Scientific Institute of Fertilizers and Insectofungicides, and the Dolgoprud Agrochemical Experimental Station imeni D. N. Pryanishnikov.

51. 60th Birthday of O. A. Konstantinov

"60th Birthday of Prof O. A. Konstantinov," by N. N. Baranskiy, I. A. Vitver, B. P. Orlov, and K. A. Salishchev; Moscow, Vestnik Moskovskogo Universiteta, Seriya 5 -- Geografiya, No 5, 1963, pp 83-84

On 30 September 1963, the 60th birthday of Prof O. A. Konstantinov was celebrated; it marked the 40th year of scientific, pedagogical, and social work of this prominent Soviet geographer. O. A. Konstantin is an active member of the Geographical Society USSR, head of the Chair of Economic Geography of the Leningrad Pedagogical Institute imeni A. I. Gertsen, and a Doctor of Geographical Sciences.

From 1942 to 1946, he was head of the Chair of Economic Geography of the Institute of Foreign Trade in Moscow. He was one of the organizers of the Moscow Filial of the Geographical Society USSR, and in 1945-1946 was its Scientific Secretary. He has held his present position as head of the Chair of Economic Geography in the Pedagogical Institute imeni A. I. Gertsen since 1961.

Konstantinov has published over 200 works, some of which have been translated into foreign languages.

52. Leontovich Celebrates 60th Birthday

"60th Birthday of Academician M. A. Leontovich"; Moscow, Vestnik Akademii Nauk SSSR, No 5, 1963, p 101

On 7 March 1963, Academician Mikhail Aleksandrovich Leontovich, prominent Soviet physicist-theorist, celebrated his 60th birthday and 35 years of scientific, pedagogical, and social activity.

In 1951 Leontovich became head of theoretical work on the physics of plasma and on the problem of controlled thermonuclear reactions in the USSR. He is the author of a number of fundamental theoretical research works on the dynamics of plasma (inertia theory of plasma column and others). He has also done much work in the training of scientific and engineering cadres both in Moscow University and in the Moscow Engineering-Physics Institute.

Leontovich is the recipient of three Orders of Lenin, four Orders of Labor Red Banner, and a Lenin Prize.

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53. Nekrasov Celebrates 60th Birthday

"60th Birthday of Ivan Aleksandrovich Nekrasov"; Moscow, Stal', No 12, 1963, p 1078

In November 1963, Ivan Aleksandrovich Nekrasov, deputy editor in chief of the journal Stal' and deputy head of the Department of Ferrous Metallurgy under Gosplan RSFSR, celebrated his 60th birthday. Nekrasov has been working in the metallurgical field for 40 years. He is the recipient of the Order of Lenin, two Orders of Labor Red Banner, and an Order of Red Star, all of which were presented to him in recognition of his work in the development of ferrous metallurgy in the Soviet Union.

54. M. V. Pridantsev Celebrates 60th Birthday

"60th Birthday of M. V. Pridantsev"; Moscow, Stal', No 11, 1963, p 1056

In November 1963, Prof Mikhail Vasil'yevich Pridantsev, Doctor of Technical Sciences, celebrated his 60th birthday and 35 years of industrial and scientific activity.

For many years Prof Pridantsev directed a large collective of workers of the factory "Elektrostal'" and later of the Institute of Qualitative Steels TsNIIChM (central Scientific Research Institute of Ferrous Metallurgy). He presently heads the Institute of Metallurgy imeni A. A. Baykov.

Under Pridantsev's direction, new grades of tool steel, stamping and construction steels, high-temperature alloys with special properties especially designed for new science, including nickel-chromium wire and iron-aluminum resistant alloys, were developed and introduced into industry. Pridantsev also made a substantial contribution in conducting and introducing new noncorrosive, heat-resistant alloys and high-strength steel. He has received three state prizes for his activities in these fields. He is also the recipient of Orders of Lenin, Red Star, Labor Red Banner, "Badge of Honor," and various other medals.

55. Shilov Celebrates 70th Birthday

"Yevgeniy Alekseyevich Shilov -- His 70th Birthday," by the editorial board; Kiev, Ukrainskiy khimicheskiy zhurnal, No 10, 1963, p 1001

The editorial board of the Ukrainskiy khimicheskiy zhurnal recently announced their congratulations to Yevgeniy Alekseyevich Shilov, Academician of the Academy of Sciences Ukrainian SSR, on the occasion of his 70th birthday. Shilov is a former editor in chief of the journal.

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Ye. A. Shilov is widely known for his work in the field of organic chemistry, particularly for his research on the kinetics and mechanics of organic reactions. He is the founder and director of a school of chemists working in the Ukraine in this field. For more than 20 years he taught a course in organic chemistry at the Ivanov Chemicotechnological Institute, and after moving to Kiev taught a number of special courses on the chemical faculty of Kiev State University.

Shilov is an active participant in the work of the All-Union Chemical Society imeni D. I. Mendeleev and has been repeatedly elected to the directing organs of the society.

56. 60th Birthday of Abram Donovich Slonim

"Abram Donovich Slonim"; Frunze, Sovetskoye zdavookhraneniye Kirgizii, No 4-5, 1963, pp 127-128

The date 2 September 1963 marked the 60th birthday of Abram Donovich Slonim, one of the most eminent representatives of the Soviet school of physiology. Working for many years in collaboration with Academician K. M. Bykovyy, Abram Donovich grasped the progressive ideas of the Pavlov school of physiology. The basic works of A. D. Slonim and his associates are devoted to the problems of cortical regulation and the study of complex behavior of animals in natural habitats. The interests of A. D. Slonim are very wide; he has studied problems of the physiology of sports and labor, animal temperature and its regulation, the complex reflex activity of man and animals, and many others. The data amassed by Professor Slonim and his associates on thermoregulation are especially valuable; at present, they are conducting highly original research on thermoregulation tonus. The works of A. D. Slonim are widely known to a large circle of practical physicians as well as to physiologists.

Professor Slonim's many years of research on physiological processes in man and animals under diversified conditions have been collected in two books: Principles of General Ecological Physiology of Mammals (1961) and Particular Ecological Physiology of Mammals (1962).

These monographs became reference books for all who are interested in problems of ecological physiology. A characteristic feature of Slonim's activity is that he did not shut himself up in his office, but endured all the hardships of expedition work -- which are at times very severe -- along with his students and associates. In studying the effect of Alpine conditions on the human and animal organism, he spent some time in the heights of Tyan'-shan', and he studied the effect of heat in the deserts of Turkmenistan.

A. D. Slonim takes the position that in the mechanism of adaptation to Alpine conditions, an important place is held by the reorganization of metabolic processes in the tissues, thanks to which the organism is able to function with lesser expenditures of energy. This point of view

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is continually finding a greater acceptance in the works of Soviet and foreign scientists.

An important monograph of Slonim's "Animal Temperature and Its Regulation," is devoted to the actual problem of the regulation of metabolism under various conditions and is based on the extensive observations of the author and his students.

A. D. Slonim has headed the chairs of physiology at many vuzes of the USSR. During World War II, he organized the Chair of Normal Physiology of the Kirgiz State Medical Institute (Gosmedinstitut) and the Laboratory of Animal Physiology of the Kirgiz Filial of the Academy of Science USSR. When the Military Maritime Medical Academy was organized in 1945, A. D. Slonim was entrusted with the guidance of one of its most important departments.

Slonim has represented the USSR in physiology science abroad. He took part in the 20th International Congress of Physiologists in Belgium, the International Symposium on Hypothermia in Yugoslavia, and the International Symposium on Physiological Work in Czechoslovakia.

57. 60th Birthday of I. M. Starovoytov

"Starovoytov, I. M."; Minsk, Zdravookhraneniye Belorussii, No 10, 1963, p 93

The day 22 May 1963 marked the 60th birthday of Ivan Matveyevich Starovoytov, head of the Chair of Obstetrics and Gynecology of the Minsk Medical Institute (born 1903). He has held his present post since 1958, the same year that he received his professorship. Previously he was an assistant of the Chair of Obstetrics and Gynecology.

In addition to his medical and scientific-pedagogical work, Professor Starovoytov has held a number of administrative positions: head of the Administration of City Hospitals, head of the Department of Medical Educational Institutes of the Ministry of Public Health Belorussian SSR, head of the Minsk City Department of Public Health, deputy rector of the Scientific Section of the Minsk Medical Institute, and chairman of the Belorussian Scientific Society of Obstetricians and Gynecologists. He is the author of 30 scientific works.

I. M. Starovoytov has been honored with six awards from the government. Most recent of these is the Diploma of the Supreme Soviet Belorussian SSR which he received by decree of the Presidium of the Supreme Soviet Belorussian SSR for his many years of medical and scientific-pedagogical work and in connection with his 60th birthday.

58. 60th Birthday of V. O. Yazvinskiy

"V. O. Yazvinskiy"; Minsk, Zdravookhraneniye Belorussii, No 10, 1963, p 94

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The day 21 April 1963 marked the 60th birthday of Vitol'd Osipovich Yazvinskiy, deputy director of the Educational Section of the Pharmaceutical Department and a teacher in the Pharmaceutical Department of the Mogilev Medical School (born 1903).

For his participation in World War II, Yazvinskiy was awarded the order "Red Star" and two medals "For Combat Service." For his work in the medical school, he was awarded a Diploma of the Supreme Soviet Belorussian SSR in 1961, and in April 1963 received a diploma from the Mogilev Industrial Oblast Committee of the Communist Party of Belorussia.

I. A. Insarov, Minister of Public Health Belorussian SSR, congratulated V. O. Yazvinskiy on the occasion of his 60th birthday. Congratulatory telegrams were received from the Ministry of Public Health Belorussian SSR, the Mogilevskaya Oblast Public Health Department (Oblzdravotdel), and the Mogilevskaya, Minskaya, Vitebskaya, Brestskaya, Gomel'skaya, and Grodnenskaya Oblast Pharmaceutical Administrations.

VI. OBITUARIES OF SOVIET SCIENTISTS

59. N. N. Dobrokhoto

"Nikolay Nikolayevich Dobrokhoto"; Moscow, Stal', No 12, 1963, p 1131

On 15 October 1963, 75-year-old member of the Academy of Sciences Ukrainian SSR, Nikolay Nikolayevich Dobrokhoto, died in Kiev (born 1889). For more than 50 years of his life Dobrokhoto worked in the field of metallurgy and thermopower engineering.

In 1944, Dobrokhoto helped organize the Institute of Gas Utilization of the Academy of Sciences Ukrainian SSR and served as its first director. At the same time he was chairman of the Department of Technical Sciences Ukrainian SSR. In the last years of his life, Nikolay Nikolayevich directed the Department of Gas Utilization in Metallurgy in the institute which he founded.

Dobrokhoto is the recipient of an Order of Lenin, two Orders of Labor Red Banner, various medals, and the honorary title Honored Scientist and Engineer Ukrainian SSR.

60. R. N. Grigorash

"Rostislav Nikolayevich Grigorash"; Moscow, Izvestiya vysshikh uchebnykh zavedeniy chernaya metallurgiya, No 11, 1963, pp 241-242

Rostislav Nikolayevich Grigorash, head of the Chair of Technology and Automation of Electric Melting Processes of the Moscow Institute of Steel and Alloys, died on 23 September 1963 (born 11 November 1907). He was the author of more than 20 scientific works in the field of steel working, production of ferroalloys, vacuum metallurgy, and the electroslag process. In recognition of his work the Soviet government had awarded him Orders of the Great Fatherland War, First and Second Degree, the Order "Badge of Honor," and three medals.

61. V. D. Kuznetsov

"V. D. Kuznetsov," by a group of comrades; Moscow, Vestnik Akademii Nauk SSSR, No 12, 1963, p 89

On 13 October 1963, Academician Vladimir Dmitriyevich Kuznetsov, professor at Tomsk University, died at the age of 77. Kuznetsov was one of the founders of the Siberian Physicotechnical Scientific Research Institute. Besides participating in the organization of this

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institute, he served as its first director and headed the Department of Solid State Physics.

Kuznetsov held the honorary titles of Hero of Socialist Labor and Honored Scientist and was awarded three Orders of Lenin and a state prize. In 1946 he was elected a corresponding member of the Academy of Sciences USSR, and in 1958, an academician.

62. I. Z. Margolin

"Isay Zakharovich Margolin"; Moscow, Tsvetnyye metally, No 12, 1963, p 70

On 13 July 1963 Isay Zakharovich Margolin died after a prolonged illness (born 1903).

Margolin began his scientific research work in 1944 in the Concentration Laboratory of the All-Union Institute of Mineral Raw Materials and later went to work in the State Institute of Mining-Chemical Raw Materials. During the last years of his life he worked as editor and reviewer in the Central Institute of Information of the Academy of Sciences USSR.

The article is signed by the following: M. G. Akopov, V. A. Basmannov, O. S. Bogdanov, I. M. Verkhovskiy, V. A. Glembotakiy, L. A. Grekulova, V. I. Klassen, A. K. Livshits, S. I. Mitrofanov, I. N. Plaksin, L. G. Podkosov, L. I. Stremovskiy, I. A. Strigin, A. V. Troitskiy, I. N. Fedorov, O. I. Khonina, E. D. Shifrina, and M. A. Eygeles.

63. A. N. Mustafinov

"Akhmed Nurmukhamedovich Mustafinov"; Moscow, Izvestiya, 24 Oct 63, p 4

Prof Akhmed Nurmukhamedovich Mustafinov, Doctor of Geological Sciences, prominent Soviet geologist, Hero of Socialist Labor, and twice winner of the state prize, died recently. His death was announced by the State Committee of the Chemical and Petroleum Industry of Gosplan USSR, the RSFSR Sovnarkhoz, the Institute of Geology and the Exploitation of Petroleum Deposits, and the All-Union Scientific Research Institute of the Petroleum Industry.

64. Ivan Ivanovich Shmal'gauzen

Moscow, Izvestiya, 9 Oct 63, p 4

Ivan Ivanovich Shmal'gauzen, Honored Scientist Ukrainian SSR, active member of the Academy of Sciences USSR and the Academy of Sciences

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Ukrainian SSR, and the most eminent representative of morphological science and evolutionary studies in the Soviet Union, died on 7 October 1963.

His death was announced by the following organizations: the Presidium of the Academy of Sciences USSR, the Presidium of the Academy of Sciences Ukrainian SSR, the Department of General Biology, the Zoological Institute, the Institute of Morphology of Animals imeni A. N. Severtsov, the Paleontological Institute of the Academy of Sciences USSR, the All-Union Scientific Society of Anatomists, Histologists, and Embryologists, and the Moscow Society of Naturalists.

65. G. A. Ushakov

Moscow, Pravda, 4 Dec 63, p 4

The Presidium of the Academy of Sciences USSR, the Ministry of the Maritime Fleet USSR, the Main Administration of Hydrometeorological Service of the Council of Ministers USSR, the Baumanskiy Rayon Party Committee, and the Geographical Society of the USSR announce the death of Georgiy Alekseyevich Ushakov, Doctor of Geographical Sciences, well-known Arctic researcher, and member of the CPSU since 1924, on 3 December 1963.

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VII. FOREIGN SCIENTIFIC COOPERATION

66. Bloc Countries Plan Scientific Cooperation

"Collaboration of Brother Countries"; Moscow, Pravda, 18 Nov 63, p 3

The work of the CEMA Permanent Commission for the Coordination of Scientific and Technical Research was concluded in Warsaw on 16 November 1963. The commission considered plans for the coordination of scientific research work in CEMA countries for 1964-1965 and plans for collaboration in the solution of the most important scientific and technical problems. In particular, a number of problems connected with the modernization and raising of the level of the production of plastic, the use of contemporary unified automation systems in CEMA countries, and increasing the use of mineral fertilizers in agriculture were discussed.

The Warsaw session also discussed problems connected with the organization of international design and research centers for CEMA and the principles of their formation and activities.

67. Soviet Physician Saves Life of African Governor

"Deep Gratitude to a Soviet Physician"; Moscow, Pravda, 18 Dec 63, p 4

In Galcaio, Somali Republic, a young man from the extreme right elements recently shot and seriously wounded Akhmed Mokhammed Abdillekh, Governor of the Mudrug Region [sic]. Luckily, medical assistance arrived in time, and the governor's life was saved by D. A. Dorogan', Candidate of Medical Sciences. In spite of a shortage of necessary instruments and drugs, the Soviet surgeon stopped the bleeding and performed an operation. For 3 days he stayed by the governor's bedside until the crisis had passed and the victim could be moved to the capital of the Somali Republic for further treatment.

In a chat with a Tass correspondent, Governor Abdillekh said that it was impossible to find words to express his gratitude to D. A. Dorogan', and he praised the Soviet Union for sending such highly qualified physicians to the Somali Republic.

68. Algerians Win Doctors Degrees in Soviet Union

"Young Algerians -- Doctors of Science"; Moscow, Pravda, 31 Dec 63, p 6

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Around the first of 1964, diplomas for the degree Doctor of Medical Sciences will be presented to three young Algerians -- Addam Tedzhini, Lyakur Moris, and Ali El' Okbi.

Their original research has great practical significance for the prophylaxis and effective treatment of cardiovascular and gastric diseases.

Corresponding members of the Academy of Medical Sciences USSR D. A. Arapov, A. D. Ado, O. P. Molchanova, B. V. Ognev and other eminent scientists who judged the dissertations of the African students unanimously praised them.

69. Bloc, Non-Bloc Scientists Cooperate on Baltic Research

"The Sea of Friendship," by Yu. Ponomarenko; Moscow, Izvestiya, 16 Oct 63, p 2

A year ago, a fleet of research ships from the Soviet Union, Poland, and the German Democratic Republic began an extensive and thorough hydro-meteorological investigation of the huge expanses of the Baltic. This was a remarkable example of collaboration of the scientists of brother socialist countries. Such a substantial scientific expedition had never before conducted work in the Baltic Sea.

Polish newspapers say that the cruise of the fleet of friendship provoked great interest among the scientists of all the Baltic countries. Denmark, Finland, and Sweden all offered their services in the investigation of the Baltic Basin. The increase in the members of the expedition will allow the Baltic to be divided into several zones, in which scientists will conduct systematic meteorological, hydrological, and hydrochemical research. Such collaboration will allow the creation of a unified hydrological map of the Baltic with descriptions of the characteristic peculiarities of this sea and its surrounding shores. The results of these studies will have not only a purely scientific but also an enormous practical meaning for countries having an outlet on the Baltic Sea.

70. Soviet Red Cross and Red Crescent Send Drugs to Cuban Hurricane Victims

"To Brother Cuba"; Moscow, Pravda, 17 Oct 63, p 4

The Executive Committee of the Union of the Societies of the Red Cross and Red Crescent USSR sent a special plane with a large consignment of drugs to Cuba on 16 October 1963. Penicillin, biomycin, erythromycin, streptomycin, and other medicines were included.

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71. Czechoslovakia Sends Aid to Cuban Victims of Hurricane Flora

"Brotherly Help"; Moscow, Izvestiya, 16 Oct 63, p 1

The Czechoslovak Red Cross recently sent a special plane carrying drugs to Havana for the victims of Hurricane Flora. The Presidium of the government of Czechoslovakia has decided to send drugs, footwear, linen, clothing, and foodstuffs worth 500,000 crowns to the aid of the Cuban people.

72. Soviet Academicians Visit Czechoslovakia

"Collaboration of Scientists of Brother Countries," by M. V. Keldysh on trip to Czechoslovakia; Moscow, Pravda, 22 Oct 63, p 3

A delegation from the Academy of Sciences USSR recently returned to Moscow from Prague where they had visited at the invitation of the Czechoslovak Academy of Sciences. Head of the delegation, M. V. Keldysh, president of the Academy of Sciences USSR, told a Tass correspondent:

"Soviet scientists visited many scientific institutions of the Czech and Slovak Academies of Sciences, branches of scientific research institutes, several industrial enterprises, and the oldest educational institution in Czechoslovakia -- Karlov University, which recently marked its 600th anniversary.

"We had friendly chats with scientists on the paths of development of our academies, on their role in technical progress and the cultural construction of the country, and on the changes in the structure of the academies. We discussed in detail questions connected with improving the organization of scientific research, increasing its efficiency, and utilizing the achievements of science in the national economy as quickly as possible.

"In our talks it was acknowledged that a change in the organizational forms of the work of our academies, the creation of a single-minded collective in the Czechoslovak Academy of Sciences and new departments in the Academy of Sciences USSR, would in the greatest measure promote the solution of the tasks placed before scientists by the 22d Congress of the CPSU and the 12th Congress of the Communist Party of Czechoslovakia.

"In the 10 years since the creation of the Czechoslovak Academy of Sciences, it has been transformed into an outstanding center of well-equipped institutes, with strong creative collectives at its disposal. In this period, its scientists have carried out a series of important investigations having great significance for the development of the national economy of the country and for world science. In the field of biochemistry, they are studying natural biopolymers of proteins, and in the field of virology, they are particularly concerned with immune reactions. Interesting research is being conducted in astronomy, mathematics,

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solid state physics, the development of new theories of automatic control, and many other divisions of physics, chemistry, and biology, as well as the humanities.

"One of the basic values of the trip of the Soviet delegation was the further expansion of the scientific collaboration between the academies of sciences of our countries and the determination of new directions in which that collaboration could be directed. A discussion of problems connected with the division of labor in science between our academies was very useful. It is certain that collaboration between the two academies will successfully develop and will promote even greater strengthening of the fraternal friendship between the scientists of our country and Czechoslovakia.

"In the entire course of our delegation's stay in Czechoslovakia, we constantly sensed a feeling of fraternal friendship toward the Soviet people and the optimism and confidence of the Czechoslovak people, who are building socialism."

73. East German and Bulgarian Medical Workers Visit USSR

"In Brief"; Moscow, Pravda, 17 Nov 63, p 5

On 16 November 1963, a delegation of medical workers of the German Democratic Republic, headed by M. Zeفرin, deputy chairman of the Council of Ministers GDR and Minister of Public Health, arrived in Moscow at the invitation of the Ministry of Public Health USSR.

On the same day, public health leaders from Bulgaria also arrived, including K. Ignatov, Minister of National Public Health and Social Security, and First Deputy Minister V. Kalaydzhiyev.

74. East German Public Health Workers Visit USSR

"In Brief"; Moscow, Pravda, 3 Dec 63, p 3

On 2 December 1963, Rudolf Doelling, the German Democratic Republic Ambassador to the USSR, arranged a friendly meeting in the Embassy in Moscow in connection with the visit of the leaders of the East German public health service to the Soviet Union. The delegation is headed by the Deputy Chairman of the Council of Ministers GDR, Minister of Public Health Max Zeفرin. Among the guests were S. V. Kurashov, Minister of Public Health USSR, and other Soviet statesmen, medical scientists, and representatives of the press.

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75. Indian Minister of Health Visits USSR

"In the Name of Friendship"; Moscow, Meditinskaya gazeta,
29 Oct 63, p 4

Dr Sushila Nayyar, Minister of Public Health of India, recently spent 2 weeks in the USSR. She and the workers of the Indian public health service who accompanied her visited medical-prophylactic and scientific institutions of Moscow, Leningrad, Tashkent, Baku, Sumgait, Sochi, and Sukhumi.

At a press conference, Dr Nayyar announced that the value of her visit to the USSR lay in the opportunity to familiarize herself with a great country and the system of protecting the health of the Soviet people. She emphasized that such visits strengthen friendship between peoples.

Dr Sushila Nayyar became acquainted with the organization of first aid in the Soviet Union and remarked that Indian specialists will study it in order to make use of it themselves. She praised the Soviet Union's protection of the health of mother and child.

Mrs Nayyar told of the important assistance being given to Indian pediatricians and children by the specialists of the Scientific-Practical Center of the Soviet Red Cross in New Delhi. She described the work of Soviet pediatricians in India as very useful.

The Minister of Public Health of India devoted much attention to the study of the system of the organization of public health in the USSR, the experience of the training of cadres, and the advanced training of physicians.

76. USSR Builds Hospital in Indonesia

"Gift to the Indonesian People"; Moscow, Pravda, 16 Nov 63,
p 3

On 15 November 1963, in Djakarta, S. V. Kurashov, Minister of Public Health USSR, and Satrio, Minister of Public Health of the Republic of Indonesia, signed an act by which a hospital built with Soviet aid was transferred as a gift to the Indonesian people.

Satrio warmly thanked the Soviet specialists who had worked in close contact with Indonesian builders and emphasized that the hospital is a valuable contribution to the friendship between the peoples of Indonesia and the Soviet Union.

77. Laotian Public Health Minister Visits USSR

"Worthy of Admiration"; Moscow, Meditinskaya gazeta, 15 Nov
63, p 4

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Keolo, Minister of Public Health of Laos, recently spent a 6-day visit in the Azerbaydzhan SSR, visiting hospitals, sanatoriums, and scientific research institutes and viewing nursery schools and creches. Keolo also took a trip to Sumgait and spent some time in one of the kol-khozes of the republic.

Speaking of his impressions of what he had seen, the Laotian Minister of Public Health said: "The progress which has been achieved by Azerbaydzhan public health is worthy of admiration. In our native land we will try to make use of this experience."

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VIII. ORGANIZATIONAL BRIEFS

The information on organizations listed in this section was obtained from current Soviet literature.

1. Akademiya Meditsinskikh Nauk SSSR
(Academy of Medical Sciences USSR)

Affiliated Personalities: E. Asratyan, corresponding member
Source: Izvestiya, 26 Nov 63, p 4
Affiliated Personalities: B. Petrovskiy, active member, winner of the Lenin Prize
Source: Izvestiya, 13 Oct 63, p 6
Affiliated Personalities: Academician V. Parin, vice-president of the Academy of Medical Sciences USSR, active member
Source: Izvestiya, 9 Oct 63, p 3
Affiliated Personalities: Prof O. Kerbikov, active member
Source: Meditsinskaya gazeta, 15 Nov 63, p 4

2. Akademiya Nauk Belorusskoy SSR
(Academy of Sciences Belorussian SSR)

Suborganization: Laboratory of the Mechanics of Polymers
Affiliated Personalities: V. A. Belyy, head of the laboratory
Source: Sovetskaya Belorussiya, 10 Jan 64, p 1
Suborganization: Laboratory of Mechanics of Polymers
Affiliated Personalities: U. Bely, head of the laboratory and Candidate of Technical Sciences
Source: Zvezda, 16 Nov 63, p 2
Suborganization: Laboratory of the Mechanics of Polymers
Affiliated Personalities: V. A. Belyy, director of the laboratory and Candidate of Technical Sciences
M. M. Pavlyuchenko, academician of the Academy of Sciences Belorussian SSR
B. M. Yerofeyev, academician of the Academy of Sciences Belorussian SSR
I. I. Bardyshev, corresponding member of the Academy of Sciences Belorussian SSR
N. F. Yermolenko, academician of the Academy of Sciences Belorussian SSR
Source: Sovetskaya Belorussiya, 11 Jan 64, p 2

3. Akademiya Nauk Estonskoy SSR
(Academy of Sciences Estonian SSR)

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Affiliated Personalities: I. Eykhfel'd, president of the academy
and Hero of Socialist Labor
Source: Pravda, 24 Nov 63, p 3

4. Akademiya Nauk Kazakhskoy SSR
(Academy of Sciences Kazakh SSR)

Affiliated Personalities: K. Satpayev, academician and president
of the academy
Source: Pravda, 1 Dec 63, p 2

5. Akademiya Nauk Tadzhikskoy SSR
(Academy of Sciences Tadzhik SSR)

Affiliated Personalities: K. T. Poroshin, Doctor of Chemical Sci-
ences, vice-president of the Academy of
Sciences Tadzhik SSR
Source: Pravda, 13 Sep 63, p 2

6. Akademiya Nauk SSSR
(Academy of Sciences USSR)

Affiliated Personalities: K. Andrianov, corresponding member,
winner of the Lenin Prize for 1963
B. Pontekorvo and A. Sidorenko, cor-
responding members

Source: Izvestiya, 31 Dec 63, p 3

Affiliated Personalities: S. N. Ushakov, corresponding member
Source: Pravda, 2 Dec 63, p 1

Affiliated Personalities: V. Yemel'yanov, corresponding member
Source: Izvestiya, 7 Nov 63, p 5

Affiliated Personalities: M. Millionshchikov, academician and
vice-president

Source: Pravda, 2 Nov 63, p 4

Suborganization: Main Botanical Garden

Affiliated Personalities: Kronid Timofeyevich Sukhorukov, Doctor
of Biological Sciences, Honored Scien-
tist RSFSR, head of the Department of
Tropical Plants of the Main Botanical
Garden

Source: Moskovskaya pravda, 28 Jan 64, p 1

7. Akademiya Nauk Uzbekskoy SSR
(Academy of Sciences Uzbek SSR)

Affiliated Personalities: Yu. Alferov, associate of Academy of
Sciences Uzbek SSR, Candidate of Eco-
nomic Sciences

Source: Ekonomicheskaya gazeta, 16 Nov 63, p 7

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8. Akademiya Obshchestvennykh Nauk
(Academy of Social Sciences)

Subordination: Central Committee CPSU

Affiliated Personalities: G. P. Frantsev, rector of academy, corresponding member of Academy of Sciences
USSR

Source: Pravda, 20 Oct 63, p 2

9. Akademiya Pedagogicheskikh Nauk RSFSR
(Academy of Pedagogical Sciences RSFSR)

Suborganization: Laboratory of Educational Movies, Radio, and Television

Affiliated Personalities: N. Shakhmayev, head
D. Poltorak and L. Pressman, scientific associates

Source: Izvestiya, 16 Nov 63, p 3

10. Altayskiy Meditsinskiy Institut
(Altay Medical Institute)

Location: Barnaul

Affiliated Personalities: A. Korablev, assistant

Source: Meditsinskaya gazeta, 29 Oct 63, p 2

11. Arkticheskiy i Antarkticheskiy Institut
(Arctic and Antarctic Institute)

Affiliated Personalities: Aleksey Treshnikov, director of the institute and Hero of Socialist Labor

Source: Pravda, 19 Nov 63, p 4

12. Ashkhabadskiy Meditsinskiy Institut
(Ashkhabad Medical Institute)

Location: Ashkhabad, ul. Shaumyana, 58

Source: Meditsinskaya gazeta, 15 Nov 63, p 4

13. Gosudarstvennyy Institut Azotnoy Promyshlennosti
(State Institute of the Nitrogen Industry)

Location: Moscow

Subordination: State Committee for Chemistry

Affiliated Personalities: N. A. Simulin, director of the institute

Source: Moskovskaya pravda, 21 Dec 63, p 2

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14. Gosudarstvenny Nauchno-Issledovatel'skiy Institut Glaznykh Bolezney imeni Gel'mgol'tsa
(State Scientific Research Institute of Eye Diseases imeni Gel'mgol'ts)

Affiliated Personalities: Ye. Trutneva, deputy director
S. Fridman, senior scientific associate
Source: Izvestiya, 10 Oct 63, p 6

15. Grodzenskiy Meditsinskiy Institut
(Grodno Medical Institute)

Remarks: The Institute has Chairs of: Physical Training, Medical Faculty, Obstetrics and Gynecology, Pathologic Anatomy. The Institute also has a Central Scientific Research Laboratory of Biochemistry.
Source: Meditsinskiy gazeta, 29 Oct 63, p 4

16. Gruzinskiy Zooveterinarnyy Uchebno-Issledovatel'skiy Institut
(Georgian Zooveterinary Teaching-Research Institute)

Affiliated Personalities: A. A. Vartanov, Docent
Remarks: Working on eradication of foot-and-mouth disease.
Source: Veterinariya, No 7, 1963, p 12

17. Institut Eksperimental'noy i Khirurgicheskoy Apparatury i Instrumentov
(Institute of Experimental and Surgical Apparatus and Instruments)

Affiliated Personalities: Mikhail Anan'yev, director of the institute
Source: Sovetskaya Moldaviya, 19 Jan 64, p 4

18. Institut Eksperimental'noy i Klinicheskoy Onkologii
(Institute of Experimental and Clinical Oncology)

Subordination: Academy of Medical Sciences USSR
Suborganization: Laboratory of the Chemistry of Natural Substances
Affiliated Personalities: Prof N. N. Blokhin, director of the laboratory, active member of the Academy of Medical Sciences USSR
M. F. Petrova, synthesized 5-oxytryptamine hydrochloride
Source: Voprosy onkologii, No 10, 1963, p 25
Location: Kashirskiy Shosse, Moscow
Suborganization: Laboratory of G. P. Men'shikov
Remarks: Isolated pure form of chrysomallin, an antitumorous antibiotic.
Source: Antibiotiki, No 1, 1964, p 33

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19. Institut Eksperimental'noy Patologii i Terapii
(Institute of Experimental Pathology and Therapy)

Location: Sukhumi
Subordination: Academy of Medical Sciences USSR
Affiliated Personalities: L. F. Semenov
Remarks: Studies conducted to determine the protective action of amino compounds in combination with thiols against gamma-radiation.
Source: Referativnyy zhurnal -- farmakologiya i toksikologiya, No 22, 1963, abstract No 22.54.279

20. Institut Energetiki
(Institute of Power Engineering)

Location: Alma-Ata
Subordination: Academy of Sciences Kazakh SSR
Affiliated Personalities: A. Reznaykov, deputy director of the institute and corresponding member of the Academy of Sciences Kazakh SSR
Source: Pravda, 1 Dec 63, p 2

21. Institut Fizicheskoy Khimii
(Institute of Physical Chemistry)

Location: Moscow
Subordination: Academy of Sciences USSR
Affiliated Personalities: N. S. Gorbunov, head of one of the laboratories of the institute and Doctor of Chemical Sciences
Source: Meditsinskaya gazeta, 20 Dec 63, p 1

22. Institut Fiziko-Organicheskoy Khimii
(Institute of Physico-Organic Chemistry)

Subordination: Academy of Sciences Belorussian SSR
Affiliated Personalities: I. F. Osipenko, head of one of the laboratories of the institute
Source: Sovetskaya Belorussiya, 10 Jan 64, p 1

23. Institut Fiziologii imeni I. P. Pavlova
(Institute of Physiology imeni I. P. Pavlov)

Location: Leningrad
Subordination: Academy of Sciences USSR
Affiliated Personalities: Academician V. N. Chernigovskiy, director
Source: Voprosy kurortologii, fizioterapii, i lechebnoy fizicheskoy kul'tury, No 6, 1963, pp 481-487

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24. Institut Kataliza
(Institute of Catalysis)

Location: Novosibirsk
Subordination: Siberian Department of the Academy of Sciences USSR
Affiliated Personalities: V. Skomorokhov, scientific associate
G. K. Boreskov, director and corresponding member of the Academy of Sciences USSR

25. Institut Khimicheskikh Nauk
(Institute of Chemical Sciences)

Location: Alma-Ata
Subordination: Academy of Sciences Kazakh SSR
Affiliated Personalities: A. Bekturov, director of the institute and academician of the Academy of Sciences Kazakh SSR
Source: Pravda, 1 Dec 63, p 2

26. Institut Khimii Polimerov
(Institute of the Chemistry of Polymers)

Location: Tashkent
Subordination: Academy of Sciences Uzbek SSR
Affiliated Personalities: Professors A. S. Sadykov and A. I. Ismailov, isolated gossypol from the bark of cotton roots
Source: Voprosy onkologii, No 12, 1963, p 40

27. Institut Khimii Rastitel'nogo Syr'ya i Khlopki
(Institute of the Chemistry of Plants and Cotton)

Location: Uzbek SSR
Subordination: Academy of Sciences Uzbek SSR
Affiliated Personalities: N. K. Abubakirov isolated olitorisid from *Corchorus olitorius*. Olitorisid is carduac glycoside with the formula of $C_{35}H_{52}O_{14}$
Source: Lekarstvennyye sredstva iz rasteniy, 1962, p 5

28. Institut Meditsinskoy Radiologii
(Institute of Medical Radiology)

Location: Leningrad
Remarks: Camphonium -- the dimethyldiiodide-N-dimethylpropyl of camphidine -- a ganglioblocking preparation for the treatment of hypertension.

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Source: Sovetskaya meditsina, No 10, 1963, p 97

29. Institut Mikrobiologii
(Institute of Microbiology)

Location: Kiev

Subordination: Academy of Sciences Ukrainian SSR

Affiliated Personalities: V. I. Bilay and N. M. Pidopliohko cultivated a number of different fungi strains.

Source: Meditsinskaya promyshlennost', No 11, 1963, p 27

30. Institut Mikrobiologii
(Institute of Microbiology)

Location: Moscow

Subordination: Academy of Sciences USSR

Suborganization: Laboratory of N. A. Krasil'nikov

Remarks: Laboratory isolated from the soil *Actinomyces chrysomallus* (strain 2703), the producer of the antibiotic chrysomallin.

Source: Antibiotiki, No 1, 1964, p 33

31. Institut Narodov Azii
(Institute of the Peoples of Asia)

Subordination: Academy of Sciences USSR

Affiliated Personalities: G. K. Mekler, senior scientific associate

Source: Sovetskaya Belorussiya, 10 Jan 64, p 1

32. Institut Organicheskogo Sinteza
(Institute of Organic Synthesis)

Location: Latvia

Subordination: Academy of Sciences Latvian SSR

Affiliated Personalities: Academician G. Ya. Vanaga, synthesized "omephine" an anticoagulant of the indandione group and its derivative of phenyleneindandione with a molecule in which the active H atom is replaced by an oxymethyl group

Source: Terapevticheskiy arkhiv, No 11, 1963, p 60

33. Institut Pitaniya
(Institute of Nutrition)

Location: Moscow, Ust'inskiy proyezd, 2/14

Subordination: Academy of Medical Sciences USSR

Remarks: The institute has the following departments and laboratories: Department of the Chemistry of Foodstuffs,

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Department of Physiology, Department of Diseases of the Cardiovascular System, Department of the Study of Sick Children, Laboratory of Biochemistry of Nutrition, Laboratory of Prophylactic Nutrition.

Source: Meditsinskaya gazeta, 25 Oct 63, p 4

34. Institut po Vtorichnym Chernym i Tsvetnym Metallam
(Institute for Secondary Ferrous and Nonferrous Metals)

Location: Lipetsk

Affiliated Personalities: G. Shchepenko, head of a laboratory

Source: Izvestiya, 22 Oct 63, p 3

35. Institut Psikhologii
(Institute of Psychology)

Subordination: Academy of Pedagogical Sciences RSFSR

Affiliated Personalities: Prof V. N. Kolbanovskiy, senior scientific associate

Source: Pravda, 20 Oct 63, p 2

36. Institut Radioelektroniki
(Institute of Radioelectronics)

Affiliated Personalities: Rzhevskiy, rector

Source: Moskovskaya pravda, 24 Jan 64, p 4

37. Institut Terapii
(Institute of Therapy)

Suborganization: Laboratory of Pathophysiology

Affiliated Personalities: M. G. Udel'nov and V. P. Kulagina

Source: Fiziologicheskii zhurnal SSSR imeni I. M. Sechenova, No 6, 1963, pp 760-766

Subordination: Academy of Medical Sciences USSR

Affiliated Personalities: Prof A. L. Myasnikov, director, active member of the Academy of Medical Sciences USSR

Ye. I. Chazov, associate

Source: Izvestiya, 12 Dec 63, p 4

38. Institut Virusologii
(Institute of Virology)

Subordination: Academy of Medical Sciences USSR

Suborganization: Laboratory of the Pathogenesis of Immunity of Respiratory Infections

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Remarks: For the last 3 years, this laboratory and the Clinic of Children's Infections of the Central Institute for the Advanced Training of Physicians (Prof M. Ye. Sukhareva) have together conducted special clinical and virological research on children infected with influenza, accompanied by neurological syndromes.

Source: Meditsinskaya gazeta, 15 Nov 63, p 3

39. Izhevskiy Meditsinskiy Institut
(Izhevsk Medical Institute)

Location: Izhevsk, Revolyutsionnaya, 199

Suborganization: Chair of Normal Physiology

Source: Meditsinskaya gazeta, 15 Nov 63, p 4

40. Institut Vrachebnoy Kosmetiki
(Institute of Medical Cosmetics)

Location: Moscow?

Subordination: Ministry of Health RSFSR

Remarks: Physicians and nurses being trained at the institute for treatment of patients with cosmetic affection of the facial skin and hair.

Source: Vestnik dermatologii i venerologii, No 12, 1963, p 57

41. Khar'kovskiy Nauchno-Issledovatel'skiy Khimiko-Farmatsveticheskiy Institut

(Khar'kov Scientific Research Chemicopharmaceutical Institute)

Location: Khar'kov

Affiliated Personalities: M. A. Angarskaya, director

Remarks: The institute specializes in the development of ready-made medical agents.

Source: Meditsinskaya gazeta, 15 Nov 63, p 4

42. Kishinevskiy Sel'skokhozyaystvennyy Institut
(Kishinev Agricultural Institute)

Affiliated Personalities: A. G. Timoshenko, head of the Chair of Agrochemistry and Candidate of Sciences

Source: Sovetskaya Moldaviya, 23 Jan 64, p 3

43. Pres. Odarskiy Nauchno-Issledovatel'skiy Institut Sel'skogo Khoz-
yaistva

(Pres. Odensk Scientific Research Institute of Agriculture)

Affiliated Personalities: P. P. Luk'yanenko, head of the Department of Selection and Seed Production

Source: Pravda, 12 Dec 63, p 2

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44. Leningradskiy Institut Tekstil'noy i Legkov Promyshlennosti imeni S. M. Kirova
(Leningrad Institute of Textile and Light Industries imeni S. M. Kirov)

Suborganization: Problem Laboratory

Affiliated Personalities: Prof A. I. Meos and scientific associate P. Ye. Shimanskiy are working on the project mentioned below

Remarks: The laboratory has produced a new type of fiber -- benza-lon -- based on polyvinyl alcohol and polyacrylonitrile. Benzalon, a clear, elastic and thermostable fiber, has a number of special features and advantages over the conventional fiber vinol. Mixed with wool it produces a fabric which is highly wear-resistant.

Source: Komsomol'skoye znamya, 14 Dec 63, p 4

45. Leningradskiy Tekhnologicheskii Institut Tsellyulozno-Bymazhnoy Promyshlennosti
(Leningrad Technological Institute of the Cellulose and Paper Industry)

Location: Leningrad

Subordination: Ministry of Higher Education USSR

Affiliated Personalities: Prof Nikita Perikal'skiy
Docent Lidiya Antonovich

Source: Komsomol'skaya znamya, 22 Dec 63, p 3

46. Moskovskiy Gosudarstvennyy Universitet
(Moscow State University)

Affiliated Personalities: Prof B. A. Kudryashov

Remarks: For many years Prof Kudryashov and his associates -- G. V. Andriyenko, G. G. Bazaz'yan, T. M. Kalishskaya, P. D. Ulitina, V. Ye. Pastorova, and N. P. Sytina -- have studied blood clotting.

Source: Izvestiya, 29 Dec 63, p 4

Suborganization: Chair of Oceanology

Affiliated Personalities: N. Vasil'chikov, mining engineer, senior scientific associate of the chair

Source: Nedelya, 6-12 Oct 63, p 6

47. I Moskovskiy Meditsinskiy Institut
(First Moscow Medical Institute)

Location: Moscow

Suborganization: Chair of the Hygiene of Nutrition

Affiliated Personalities: Prof K. Petrovskiy, head of the Chair of the Hygiene of Nutrition

Source: Meditsinskaya gazeta, 20 Dec 63, p 3

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48. Nauchno-Issledovatel'skiy Fiziko-Khimicheskiy Institut imeni L. Ya. Karpova

(Scientific Research Physicochemical Institute imeni L. Ya. Karpov)

Affiliated Personalities: Prof Ya. Kolotyrkin, director of the
institute

Source: Ekonomicheskaya gazeta, 30 Nov 63, p 5

49. Nauchno-Issledovatel'skiy Institut Doshkol'nogo Vospitaniya

(Scientific Research Institute of Preschool Education)

Location: Moscow? (A Scientific Symposium on Children's Games,
organized by the institute, was held in Moscow.)

Affiliated Personalities: A. V. Zaporozhets, director, correspond-
ing member of the Academy of Pedagogical
Sciences RSFSR

Source: Izvestiya, 3 Dec 63, p 4

50. Nauchno-Issledovatel'skiy Institut Sel'skogo Khozyaystva

(Scientific Research Institute of Agriculture)

Affiliated Personalities: Ye. T. Barenitsa, director

Source: Leninskoye znamya, 22 Dec 63, p 2

51. Ob"edinenniy Institut Yadernykh Issledovaniy

(Joint Institute for Nuclear Research)

Location: Dubna

Affiliated Personalities: D. I. Blokhintsev, director of the insti-
tute and corresponding member of the
Academy of Sciences USSR
V. N. Sergiyenko, administrative direc-
tor of the institute

Source: Leninskoye znamya, 14 Jan 64, p 4

52. Odesskiy Politekhnicheskiy Institut

(Odessa Polytechnical Institute)

Affiliated Personalities: Ya. I. Starosel'skiy, Docent of the
Chair of the Automation of Chemical
Production

Source: Komsomol'skoye znamya, 19 Dec 63, p 3

53. Odesskiy Sel'khozinstitut

(Odessa Agricultural Institute)

Affiliated Personalities: O. K. Dobrolyuoskiy, Docent; I. V. Vov-
chenko and L. S. Gorovskiy, teachers

Source: Komsomol'skoye znamya, 19 Dec 63, p 3

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54. Odesskiy Universitet
(Odessa University)

Affiliated Personalities: G. Ye. Deshtriyevskiy, Docent of the
Chair of Inorganic Chemistry
Source: Komsomol'skoye znaniya, 19 Dec 63, p 3

55. Pulkovskaya Observatoriya
(Pulkovsk Observatory)

Affiliated Personalities: A. Mikhaylov, director, corresponding
member of the Academy of Sciences USSR
Source: Izvestiya, 31 Dec 63, p e

56. Saratovskiy Nauchno-Issledovatel'skiy Institut Sel'skoy Gigiyeny
(Saratov Scientific Research Institute of Rural Hygiene)

Location: Saratov
Affiliated Personalities: T. A. Lazareva
Remarks: Has published on quantitative determination of ammonium
sulfamate in the air as an aerosol.
Source: Gigiyena i sanitariya, No 7, 1963, p 45

57. Sibirskiy Nauchnyy Tsentr
(Siberian Scientific Center)

Suborganization: Institute of Catalysis
Affiliated Personalities: Gennadiy Kolovertov, junior scientific
associate
Remarks: The Siberian Scientific Center is the youngest in the USSR.
Source: Izvestiya, 17 Oct 63, p 4

58. Sverdlovskiy Gosudarstvennyy Meditsinskiy Institut (SGMI)
(Sverdlovsk State Medical Institute)

Location: Sverdlovsk
Subordination: Ministry of Health RSFSR
Suborganization: Chair of Skin and Venereological Diseases
Affiliated Personalities: N. L. Solomin investigated the prophylactic and therapeutic effect of beta-mercaptopropylamine and bicillin-3 on experimental staphylococcal (see also Sverdlovsk Scientific Research Institute)
Source: Referativnyy zhurnal -- farmakologiya i toksikologiya, No 22, 1963, abstract No 22.54.289

59. Sverdlovskiy Institut Okhrany Materinstva i Mladenchestva
(Sverdlovsk Institute of Maternity and Child Protection)

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Location: Sverdlovsk
Suborganization: Chair of Pharmacology
Source: Meditsinskaya gazeta, 19 Nov 63, p 4

60. Sverdlovskiy Meditsinskiy Institut
(Sverdlovsk Medical Institute)

Suborganization: Chair of Pharmacology
Affiliated Personalities: Prof A. K. Sangaylo, director of the institute
Source: Meditsinskaya gazeta, 19 Nov 63, p 4
Location: Sverdlovsk, prospekt Lenina, 6
Source: Meditsinskaya gazeta, 15 Nov 63, p 4

61. Sverdlovskiy Nauchno-Issledovatel'skiy Kozhno-Venerologicheskiy Institut
(Sverdlovsk Scientific Research Dermatovenereological Institute)

Location: Sverdlovsk
Subordination: Sverdlovskaya Oblast Health Department
Affiliated Personalities: N. L. Solomin investigated the prophylactic and therapeutic effect of beta-mercaptopropylamine and bicillin-3 on experimental staphylocodermia (see also Sverdlovsk State Medical Institute)
Source: Referativnyy zhurnal -- farmakologiya i toksikologiya, No 22, 1 63, abstract No 22.54.289

62. Tbilisskiy Gosudarstvenniy Meditsinskiy Institut
(Tbilisi State Medical Institute)

Location: Tbilisi
Subordination: Ministry of Health Georgian SSR
Affiliated Personalities: Prof V. Asatiani, head of the Chair of Organic Chemistry at the institute and academician of the Academy of Sciences Georgian SSR
Source: Meditsinskaya gazeta, 20 Dec 63, p 1

63. Tikhookeanskiy Nauchno-Issledovatel'skiy Institut Rybnogo Khoz-yaystva i Okeanografi
(Pacific Ocean Scientific Research Institute of Fisheries and Oceanography)

Remarks: One of the institute's departments is located in Magadan.
Source: Pravda, 3 Dec 63, p 4

C-O-N-F-I-D-E-N-T-I-A-L

64. Tsentral'niy Institut Epidemiologii
(Central Institute of Epidemiology)

Location: Moskva E-399, ul. Svobody, 3-a
Subordination: Ministry of Public Health USSR
Suborganization: Department of Epidemiological Statistics,
Laboratory of Nutrient Media, Photo Laboratory
Source: Meditsinskaya gazeta, 29 Oct 63, p 4

65. Tsentral'nyy Institut Kurortologii i Fizioterapii
(Central Institute of Health Resorts and Physiotherapy)

Location: Moskva, Kutuzovskiy pr., 4
Subordination: Ministry of Public Health USSR
Source: Meditsinskaya gazeta, 27 Sep 63, p 4

66. Tsentral'nyy Institut Prognozov
(Central Institute of Weather Forecasting)

Affiliated Personalities: D. I. Stekhnovskiy, senior scientific
associate, Candidate of Geographical
Sciences
Source: Nedelya, 6-12 Oct 63, p 24

67. Tsentral'nyy Institut Sudebnoy Psikhatrii
(Central Institute of Forensic Psychiatry)

Affiliated Personalities: R. F. Kokanbayeva
Remarks: Investigated the effect of aminazine and serpesil on the
nervous system of schizophrenics.
Sources: Referativnyy zhurnal -- farmakologiya i toksikologiya,
No 22, 1963, abstract No 22.54.38

68. Tsentral'nyy Institut Usovershenstvovaniya Vrachey
(Central Institute for the Advanced Training of Physicians)

Location: Moskva G-242, pl. Voostaniya, 1/2
Remarks: The institute has the following chairs: Hygiene of Child-
ren and Adolescents, Epidemiology, Hygiene of Nutrition,
Industrial Hygiene, Surgery, Cardiovascular Surgery,
Legal Examination and Material Evidence, Occupational
Pathology.
Source: Meditsinskaya gazeta, 29 Oct 63, p 4

69. Ukrainskaya Sel'skokhozyaystvennaya Akademiya
(Ukrainian Agricultural Academy)

Location: Kiev

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Subordination: Ministry of Agriculture Ukrainian SSR
Affiliated Personalities: V. F. Peresyplik, rector of the academy
Source: Komsomol'skoye znanya, 19 Dec 63, p 4

70. Ukrainskiy Institut Eksperimental'noy Endokrinologii
(Ukrainian Institute of Experimental Endocrinology)

Location: Khar'kov
Subordination: Ministry of Health Ukrainian SSR
Affiliated Personalities: I. B. Simon and V. P. Vvedenskiy syn-
thesized pyrilene -- pentamethylpiperi-
dine toluol-sulfonate -- a new ganglil-
lyc preparation
Source: Vrachebnoye delo, No 11, 1963, p 37

71. Ukrainskiy Institut Kurortologii i Fizioterapii
(Ukrainian Institute of Health Resort Studies and Physiotherapy)

Affiliated Personalities: T. M. Tupikov, scientific worker
Source: Izvestiya, 20 Dec 63, p 4

72. Ukrainskiy Nauchno-Issledovatel'skiy Institut Pitaniya
(Ukrainian Scientific Research Institute of Nutrition)

Subordination: Ministry of Health Ukrainian SSR
Affiliated Personalities: B. L. Rubenchik
Remarks: Experimented on rats to determine the cancerogenic proper-
ties of a rice diet containing N-dimethyl-aminoazobenzene.
Source: Voprosy onkologii, No 11, 1963, p 17

73. Vinnitskiy Meditsinskiy Institut
(Vinnitsk Medical Institute)

Source: Izvestiya, 20 Dec 63, p 4

74. Voyenno-Meditsinskaya Akademiya
(Military Medical Academy)

Location: Leningrad P-137, Karpovka 28, kv. 76. Telephone V 8-67-52
Source: Meditsinskaya gazeta, 15 Nov 63, p 4

75. Vsesoyuznyy Institut Udobreniy i Agropochvovedeniya
(All-Union Institute of Fertilizers and Agricultural Soil Science)

Location: Moscow
Subordination: All-Union Academy of Agricultural Sciences imeni
V. I. Lenin
Affiliated Personalities: G. A. Cheremisinov, director of the in-
stitute

C-O-N-F-I-D-E-N-T-I-A-L

Source: Pravda, 22 Nov 63, p 4

76. Vsesoyuznyy Institut Zashchity Rasteniy
(All-Union Institute of Plant Protection)

Location: Leningrad

Subordination: All-Union Academy of Agricultural Sciences imeni
V. I. Lenin (VASKhNIL)

Affiliated Personalities: K. Novozhilov, Candidate of Agricultural
Sciences
I. Polyakov, corresponding member of
the All-Union Academy of Agricultural
Sciences imeni V. I. Lenin and director
of the All-Union Institute of Plant Pro-
tection

Source: Izvestiya, 27 Nov 63, p 3

77. Vsesoyuznyy Nauchno-Issledovatel'skiy Institut Iskusstvennykh Volokon
(All-Union Scientific Research Institute of Artificial Fibers)

Suborganization: Leningrad Filial

Remarks: Specialists of the Leningrad Filial have found a new method
of purification of industrial sewage which depends on
aerobic bacteria.

Source: Meditsinskaya gazeta, 15 Nov 63, p 3

78. Vsesoyuznyy Nauchno-Issledovatel'skiy Institut Veterinarnoy Viruso-
logii i Mikrobiologii
(All-Union Scientific Research Institute of Veterinary Virology and
Microbiology)

Affiliated Personalities: V. A. Sergeyev
T. S. Lavrova
F. F. Lutsevich
T. L. Fedorova
M. S. Syusyukina

Source: Veterinariya, No 3, 1963, p 71

79. Vsesoyuznyy Nauchno-Issledovatel'skiy Institut Zhirov
(All-Union Scientific Research Institute of Fats)

Location: Leningrad

Affiliated Personalities: Professors V. P. Rzhekhin and A. B.
Belova, extracted gossypol from the
seeds of cotton

Source: Voprosy onkologii, No 12, 1963, p 40

C-O-N-F-I-D-E-N-T-I-A-L

80. Vsesoyuznyy Nauchno-Issledovatel'skiy Institut Zolota i Redkikh Metallov
(All-Union Scientific Research Institute of Gold and Rare Metals)

Location: Magadan

Source: Pravda, 3 Dec 63, p 4

81. Vsesoyuznyy Nauchno-Issledovatel'skiy Khimiko-Farmatsveticheskiy Institut imeni S. Ordzhonikidze
(All-Union Scientific Research Chemicopharmaceutical Institute imeni S. Ordzhonikidze)

Location: Moscow

Subordination: Ministry of Health USSR

Affiliated Personalities: Sh. Kanchukh, head of the Department of
Economic Research

Source: Meditinskaya gazeta, 20 Dec 63, p 1

82. Zavod Elektronnykh Mikroskopov i Elektroavtomatiki
(Plant of Electron Microscopes and Electroautomation)

Remarks: The plant will manufacture the universal electron microscope.

Source: Izvestiya, 4 Dec 63, p 4

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Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen
Deputy Director for Operations
Defense Technical Information Center
7725 John J. Kingman Road
Suite 0944
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,



Sergio N. Alcivar
Chief, CIA Declassification Center,
Declassification Review and Referral
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)



Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fldr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0333357	78-03117A	187	1	24	4083	Scientific Information Report Organization And Administration Of Soviet Science (6)	12/4/1962	94	Approved For Release	3/29/2004
AD03333955	78-03117A	190	1	20	4197	Scientific Information Report Organization And Administration Of Soviet Science (7)	1/15/1963	100	Approved For Release	3/29/2004
AD03343986	78-03117A	194	1	1	4341	Scientific Information Report Organization And Administration Of Soviet Science (8)	3/5/1963	129	Approved For Release	3/29/2004
AD03353307	78-03117A	196	1	2	4421	Scientific Information Report Organization And Administration Of Soviet Science (9)	3/19/1963	85	Approved For Release	3/29/2004
AD03363305	78-03117A	199	1	14	4550	Scientific Information Report Organization And Administration Of Soviet Science (10)	4/24/1963	99	Approved For Release	3/29/2004
AD03373360	78-03117A	203	1	2	4702	Scientific Information Report Organization And Administration Of Soviet Science (11)	6/13/1963	65	Approved For Release	3/29/2004
AD0338686	78-03117A	205	1	41	4816	Scientific Information Report Organization And Administration Of Soviet Science (12)	7/18/1963	67	Approved For Release	3/29/2004
AD0342004	78-03117A	208	1	24	4913	Scientific Information Report Organization And Administration Of Soviet Science (13)	8/21/1963	89	Approved For Release	3/29/2004
AD0343882	78-03117A	211	1	15	5033	Scientific Information Report Organization And Administration Of Soviet Science (14)	9/24/1963	127	Approved For Release	3/29/2004
AD0343989	78-03117A	213	1	12	5111	Scientific Information Report Organization And Administration Of Soviet Science (15)	10/18/1963	58	Approved For Release	3/29/2004
AD0345283	78-03117A	215	1	21	5180	Scientific Information Report Organization And Administration Of Soviet Science (16)	11/18/1963	61	Approved For Release	3/29/2004
AD0344526	78-03117A	217	1	34	5255	Scientific Information Report Organization And Administration Of Soviet Science (17)	12/24/1963	32	Approved For Release	3/29/2004
AD0347731	78-03117A	222	1	6	5419	Scientific Information Report Organization And Administration Of Soviet Science (19)	2/27/1964	53	Approved For Release	3/29/2004
AD0332259	78-03117A	182	1	34	3907	Scientific Information Report Physics And Mathematics (21)	10/8/1962	58	Approved For Release	3/29/2004
AD0332752	78-03117A	184	1	24	3975	Scientific Information Report Physics And Mathematics (22)	11/1/1962	57	Approved For Release	3/29/2004
AD0333426	78-03117A	187	1	31	4090	Scientific Information Report Physics And Mathematics (23)	12/6/1962	38	Approved For Release	3/29/2004
AD0333956	78-03117A	189	1	33	4171	Scientific Information Report Physics And Mathematics (24)	1/8/1963	38	Approved For Release	3/29/2004
AD0334380	78-03117A	192	1	4	4260	Scientific Information Report Physics And Mathematics (25)	1/31/1963	53	Approved For Release	3/29/2004
AD0335121	78-03117A	195	1	3	4384	Scientific Information Report Physics And Mathematics (26)	3/14/1963	71	Approved For Release	3/29/2004